

The genes controlling colour and shape in pumpkins are located on different pairs of homologous chromosomes.

A pumpkin homozygous for white skin colour and disk shape is crossed with a pumpkin homozygous for yellow skin colour and round shape. All the next generation pumpkins (F1) have the same genotype.

(a) Describe the **genotype** of the F1 generation. _____

(b) Two of these F1 pumpkins are crossed to produce the F2 generation.

Use the Punnett square to show the **gametes** and all the expected **genotypes** of all the possible F2 offspring.

		F1 gametes			
F1 gametes					